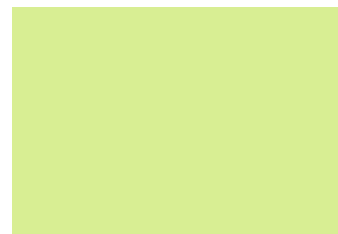
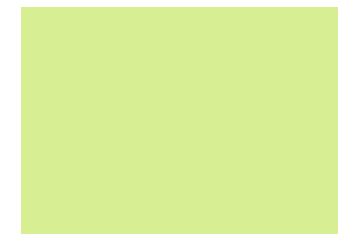
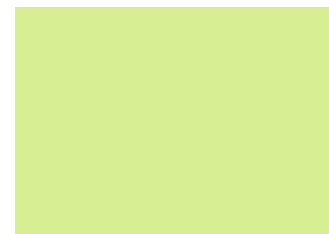


# REVIEW OF OPERABLE UNIT 2 REMEDIAL ACTION WORK PLAN (RAWP)

## RINGWOOD MINES/LANDFILL SUPERFUND SITE

FEBRUARY 2021



# AGENDA

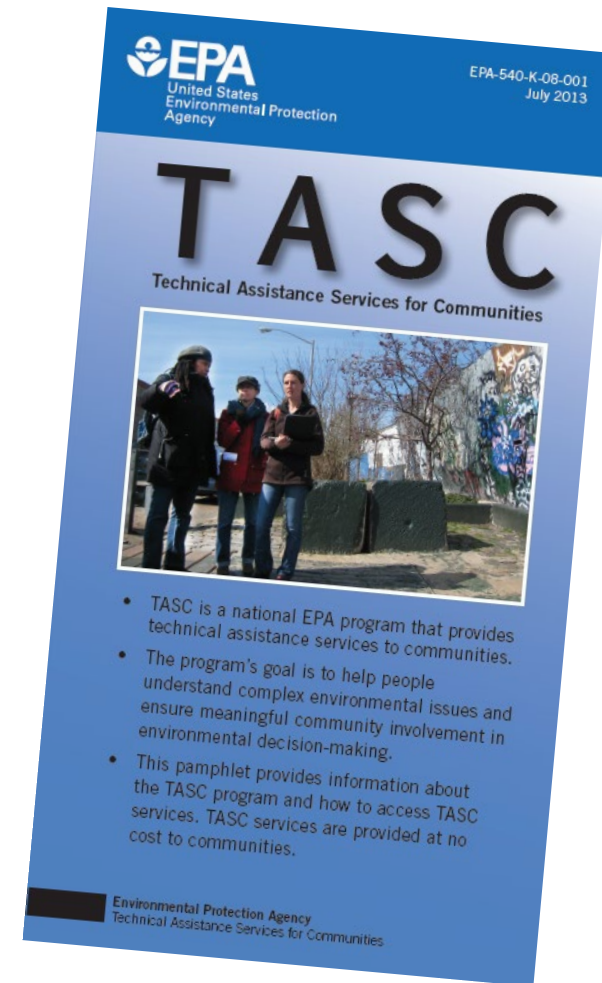
- TASC
- Site Background and the Superfund Process
- OU2 Remedial Action Work Plan Summary
- TASC Comments
- Questions



TASC

# TASC

- Technical Assistance Services for Communities (TASC)
- Provides non-advocacy, independent technical assistance
- This presentation and the accompanying fact sheet are funded by EPA's TASC program – their contents do not necessarily reflect the policies, actions or positions of EPA



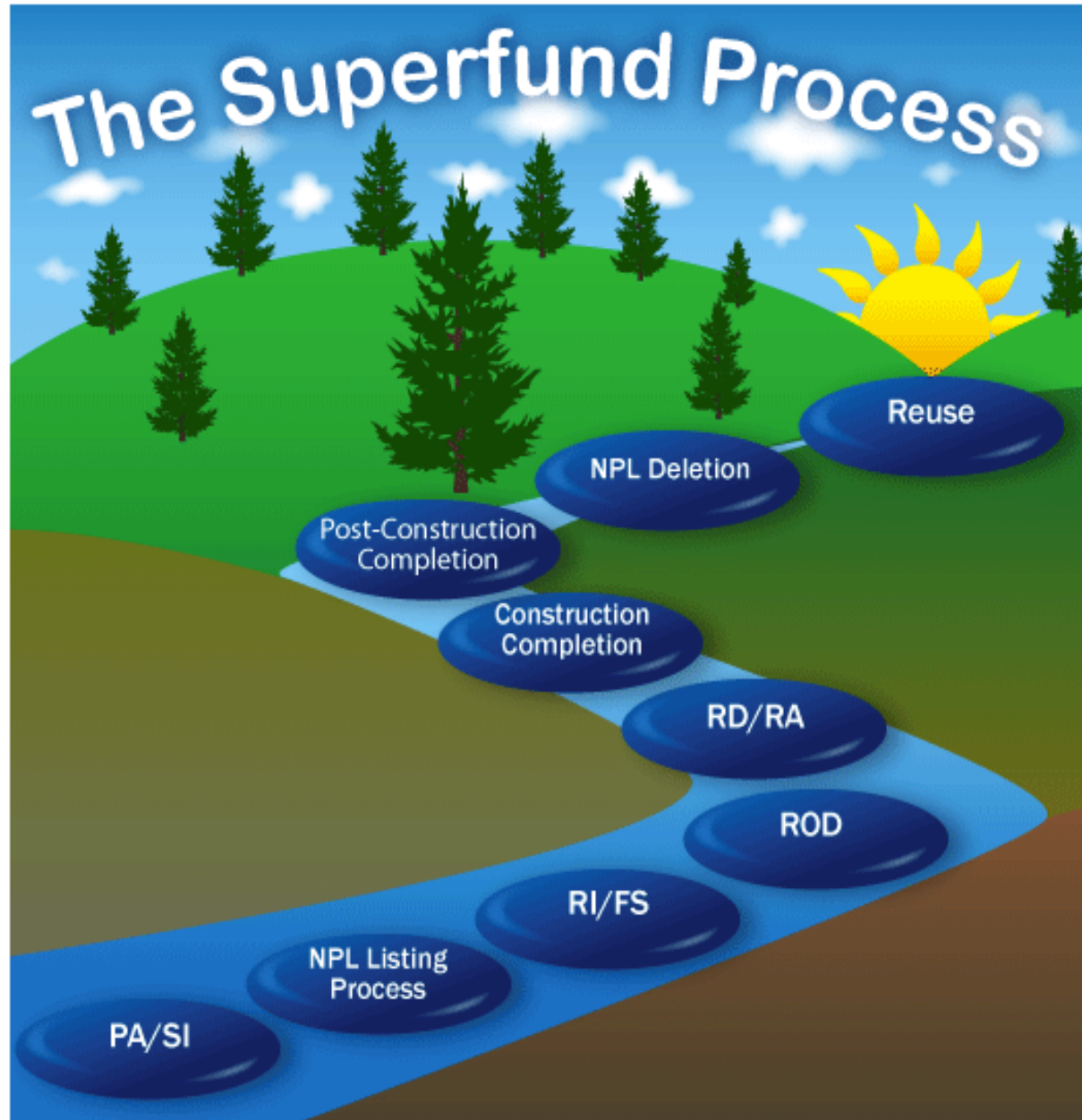


# SITE BACKGROUND AND THE SUPERFUND PROCESS

# SITE BACKGROUND

- 500-acre site is in historic iron-mining district
- Ford disposed of paint sludge and other wastes in late 1960s and early 1970s
- Operable units (OUs):
  - OU1 = originally intended to address entire site
  - OU2 = land areas of concern – Peters Mine Pit (PMP) Area, O'Connor Disposal Area (OCDA) and Cannon Mine Pit (CMP) Area
  - OU3 = Sitewide groundwater and St. George Pit Area
- Primary contaminants of concern (COPCs): benzene, chloroethane, 1,4-dioxane, arsenic and lead

Operable Unit 2 (OU2)  
Remedial design (RD)  
completed









# OVERVIEW OF OU2 REMEDIAL ACTIVITIES

- EPA finalized the OU2 remedy in 2015
- Primary components of the remedy include:
  - Appropriate management of fill, waste and soil, including reuse on site or proper disposal off site
  - Use of engineered caps
  - Use of institutional and engineering controls:
    - Security fencing and signs
    - The CMP Area and PMP Area will have boulders to discourage cap access by all-terrain recreation vehicles
    - Institutional controls will be a New Jersey Department of Environmental Protection (NJDEP) deed notice






# OU2 REMEDIAL ACTION WORK PLAN (RAWP) SUMMARY

# SUMMARY OF OU2 RAWP

1. Introduction
2. RAWP Document Organization
3. Existing Site Conditions
4. Remedial Action Field Team
5. Remedial Action Pre-Mobilization Tasks
6. Mobilization and Site Preparation
7. Field Tasks
8. Monitoring Activities
9. Site Management
10. Quality Assurance and Quality Control Program
11. Remedial Action Health and Safety Program
12. Final Site Restoration and Demobilization Activities
13. Remedial Action Project Schedule
14. References



### Technical Assistance Services for Communities

#### Ringwood Mines/Landfill Superfund Site Fact Sheet – February 2021

#### Summary of Ringwood Mines/Landfill Superfund Site Operable Unit (OU) 2 Remedial Action Work Plan

This fact sheet covers the Ringwood Mines/Landfill Superfund Site OU2 Remedial Action Work Plan (RAWP), submitted to EPA in December 2020, available online at:  
<https://scisnpub.epa.gov/scrs/document/02/620277>. Remedial Construction Services (RECON) prepared the RAWP for Ford Motor Company. The work plan describes OU2 remedial activities. The OU includes the Cannon Mine Pit (CMP) Area, the Peters Mine Pit (PMP) Area, and the O'Connor Disposal Area (OCDA).

Remedial activities will take place beginning in spring 2021, after EPA's approval of the RAWP. The project schedule lists completion by February 2022. The project order is the CMP Area, the PMP Area, and the OCDA. The RAWP includes the construction of the Recycling Center at the OCDA.

The 500-acre Ringwood Mines/Landfill site is in a historic iron mining district in the Borough of Ringwood in Passaic County, New Jersey. Magnetite mines operated on site as early as the 1700s. In the late 1960s and early 1970s, Ford Motor Company disposed of paint sludge and other wastes on site. To manage the cleanup, EPA divided the site into OUs. OU1 was originally the entire site. Later, EPA established OU2 and OU3. Figure 1 shows the land areas of concern in OU2. OU3 is sitewide groundwater and the St. George Pit Area. In September 2020, EPA selected the OU3 remedy.

#### TASC Remedial Action Work Plan Presentation

**Thursday, February 25, 2021  
6:00 p.m. to 8:00 p.m.**


Please join us for a virtual online presentation of TASC's review of the RAWP.

**Join by smartphone or tablet:**  
Go to  
<https://skc.zoom.us/j/94173853265?pwd=aVJNVTFFWjJVM0ZLlpObS81ekRqdz09>  
It may prompt you to download the Zoom Cloud Meetings app.

**Join using a web browser on a computer:**  
1. Go to [join.zoom.us](https://join.zoom.us)  
2. Enter the Meeting ID: 941 7385 3265  
3. At the bottom of the window, click on "Join from Your Browser."  
4. Enter your name.  
5. Enter the Passcode: 242050.  
6. Click "Join Audio by Computer."

**Join by phone:**  
1. Call 1-833-548-0282 (US Toll-free).  
2. Enter the Meeting ID (941 7385 3265) and press # when prompted.  
3. Press # to continue (no Participant ID).  
4. Enter the Passcode (242050) and press # when prompted.

The U.S. Environmental Protection Agency's (EPA's) Technical Assistance Services for Communities (TASC) program funded this fact sheet. Its contents do not necessarily reflect the policies, actions or positions of EPA. TASC technical comments are provided in the last section.



U.S. Environmental Protection Agency  
Technical Assistance Services for Communities 2021

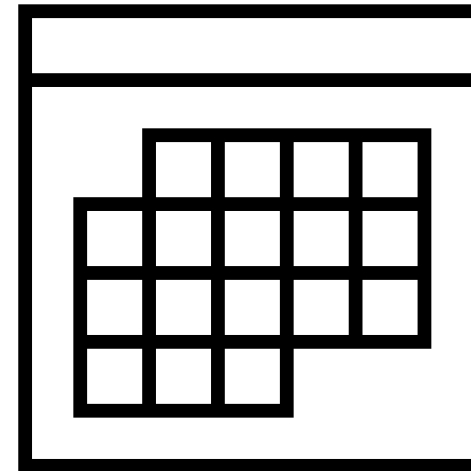
# RAWP APPENDICES

- Appendix A – Construction Quality Assurance/Quality Control Plan (CQA/QCP)
- Appendix B – Site-Specific Health and Safety Plan (HASP)
- Appendix C – Vibration Monitoring Plan
- Appendix D – Community Air Monitoring Plan
- Appendix E – Quality Assurance Project Plan (QAPP)
- Appendix F – Field Sampling Plan
- Appendix G – Paint Waste, Drum, and Drum Carcass Excavation and Removal Plan
- Appendix H – Transportation & Disposal Plan
- Appendix I – Technical Specifications

# RAWP SCHEDULE


- Beginning work: October 2, 2020
- Completing CMP Area cleanup: April 30, 2021
- Completing PMP Area cleanup: November 19, 2021
- Completing OCDA Area cleanup: October 26, 2021
- Completing new Recycling Center: February 8, 2022
- Decommissioning existing recycling center and completing all other activities: January 19, 2022

During the activities, the schedule will be updated every two weeks





**LEGEND**

 = Proposed Route into and out of AOC

NOTE: Not To Scale



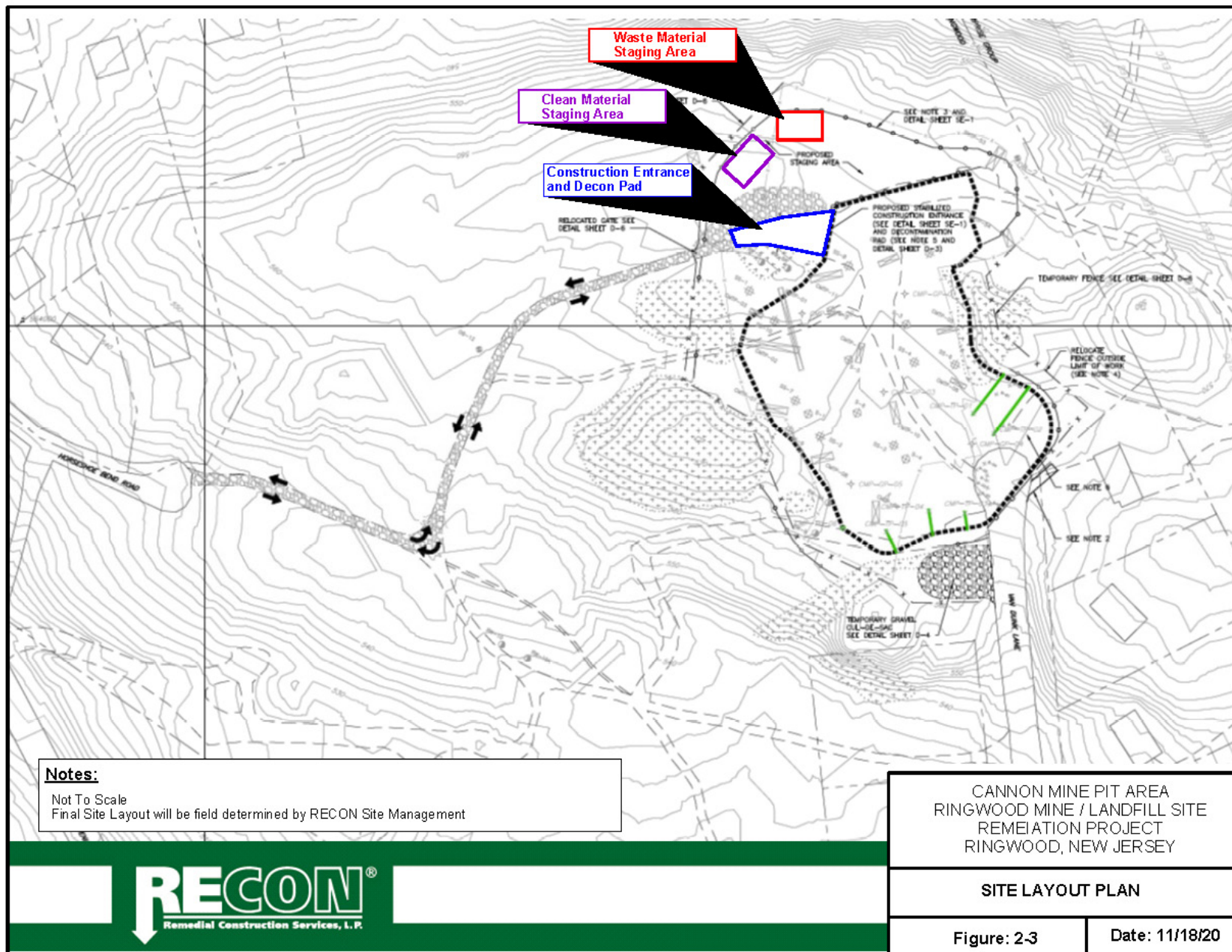
RINGWOOD MINE / LANDFILL SITE  
REMEIATION PROJECT  
RINGWOOD, NEW JERSEY

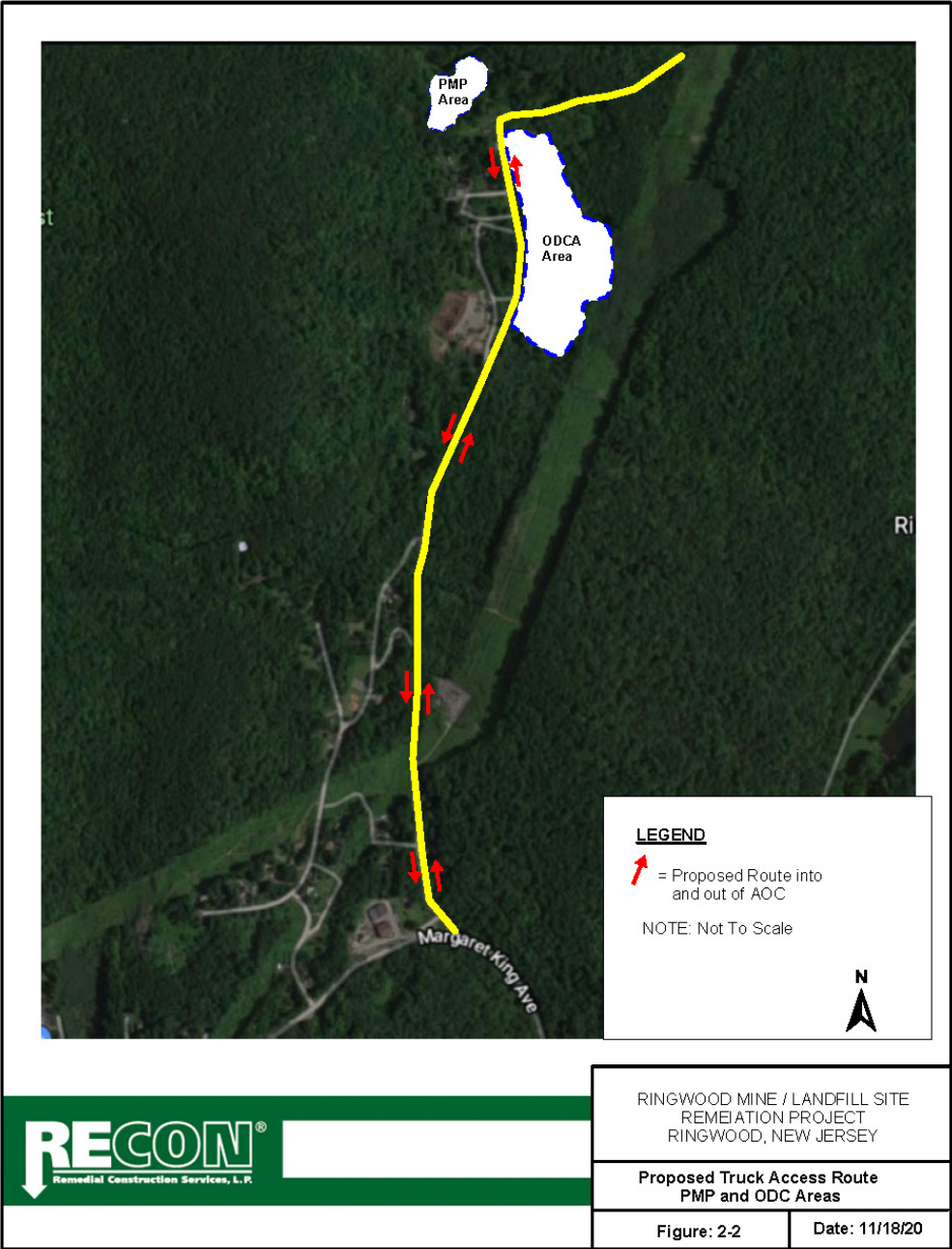
Proposed Truck Access Route  
CMP Area

Figure: 2-1

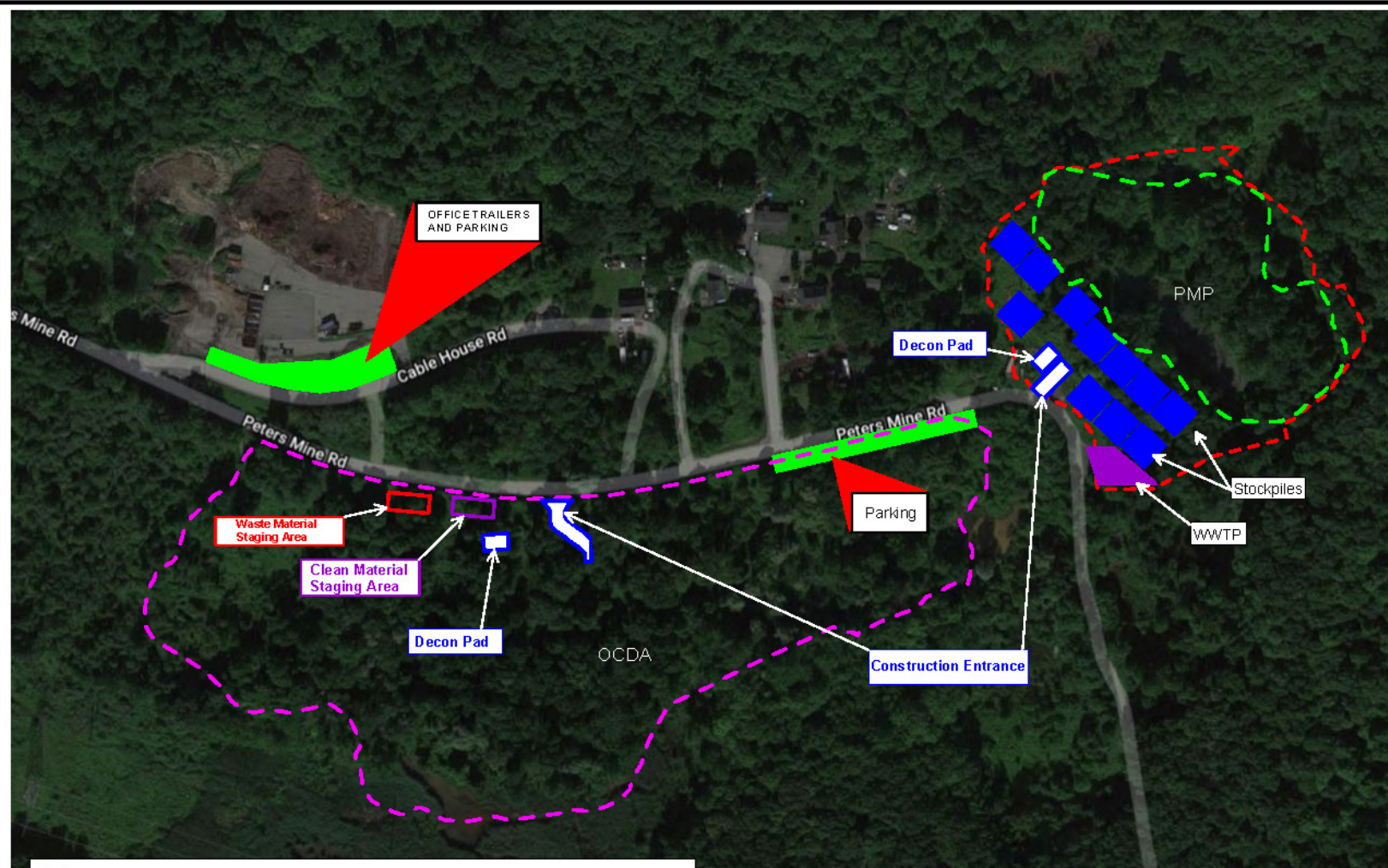
Date: 11/18/20











**Notes:**

Not To Scale - Site features are approximate  
Final Site Layout will be field determined by RECON Site Management

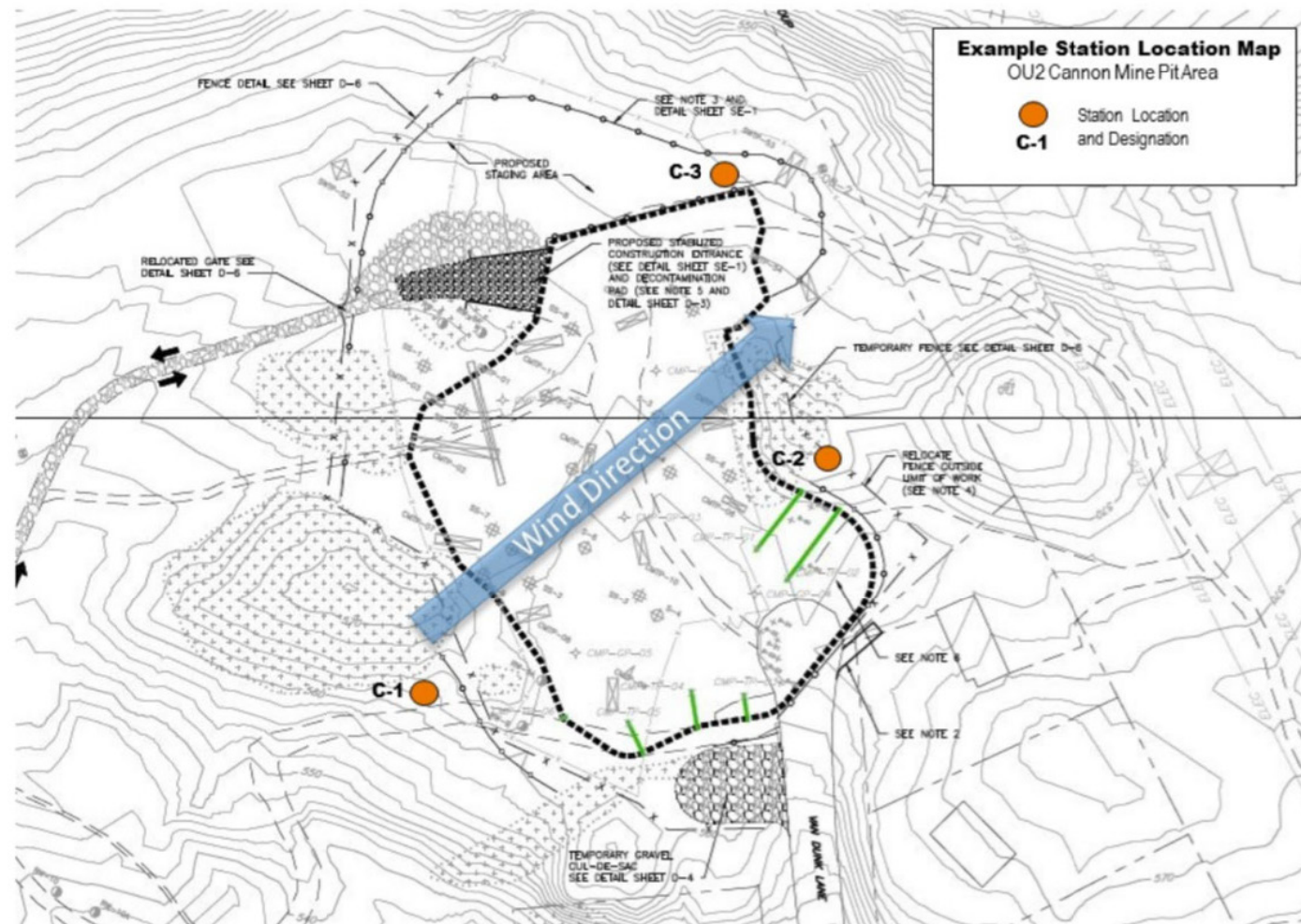
PMP & OCDA  
RINGWOOD MINE / LANDFILL SITE  
REMEIATION PROJECT  
RINGWOOD, NEW JERSEY

**SITE LAYOUT PLAN**

Figure: 2-4

Date: 12/16/20





**Notes:**

Not To Scale  
Actual air monitoring stations will be field determined based on wind direction

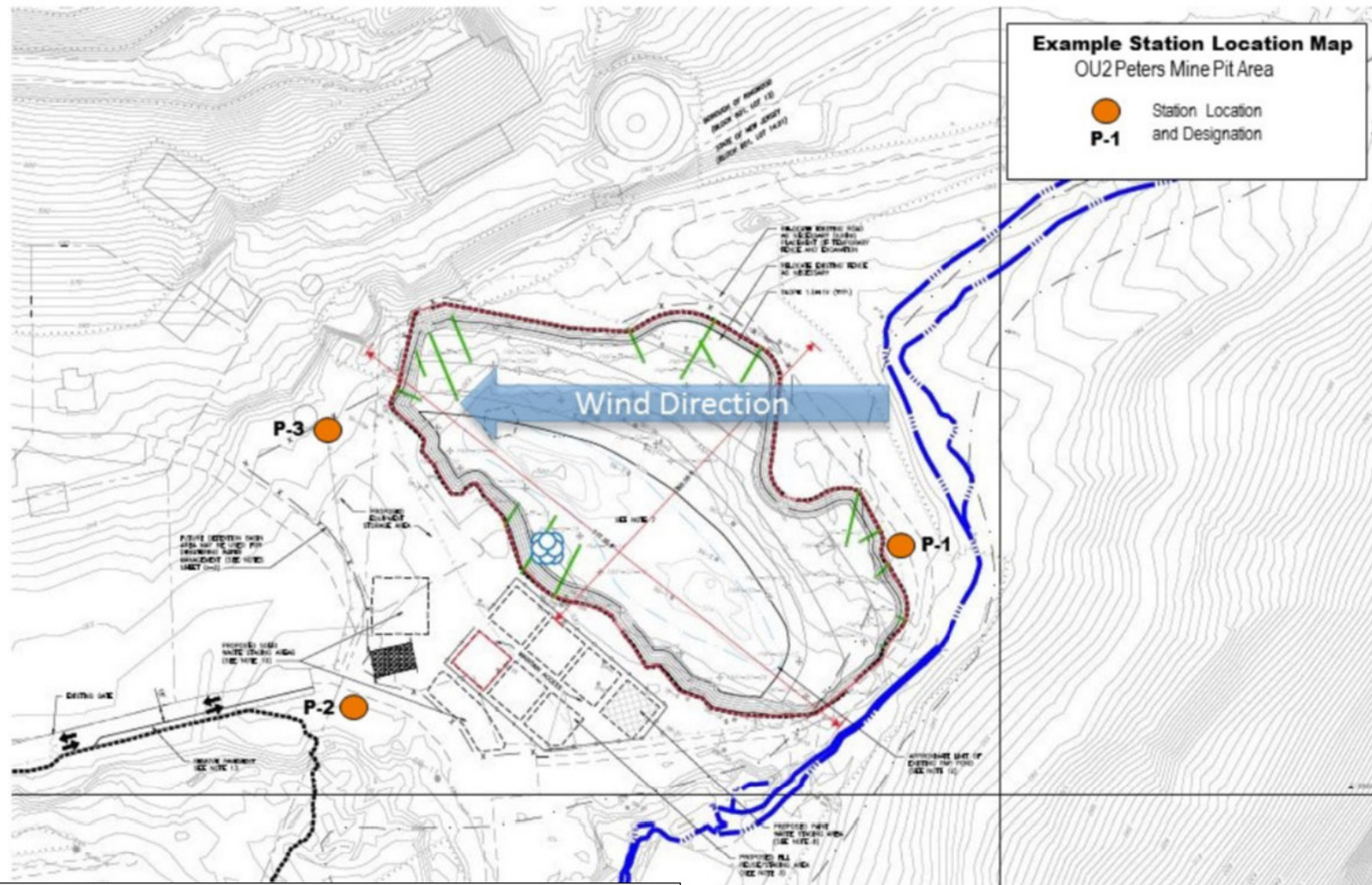
CANNON MINE PIT AREA  
RINGWOOD MINE / LANDFILL SITE  
REMEIATION PROJECT  
RINGWOOD, NEW JERSEY

**EXAMPLE AIR MONITORING  
STATION LOCATION PLAN**

Date: 12/06/20

**RECON**  
Remedial Construction Services, L.P.





**Notes:**

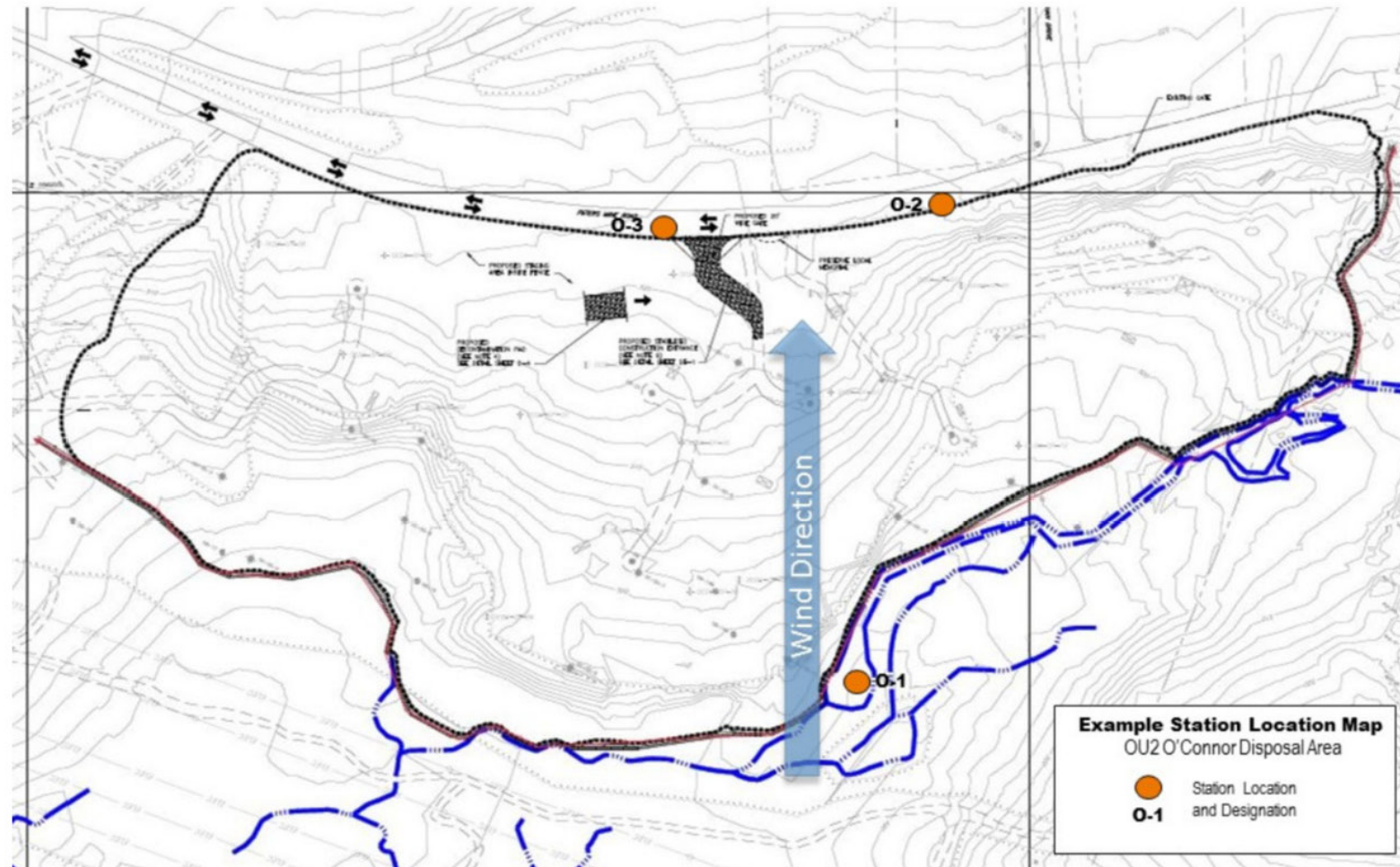
Not To Scale  
Actual air monitoring stations will be field determined based on wind direction

PETERS MINE PIT AREA  
RINGWOOD MINE / LANDFILL SITE  
REMEIATION PROJECT  
RINGWOOD, NEW JERSEY

EXAMPLE AIR MONITORING  
STATION LOCATION PLAN

Date: 12/06/20





**Notes:**

Not To Scale  
Actual air monitoring stations will be field determined based on wind direction

O'CONNOR DISPOSAL AREA  
RINGWOOD MINE / LANDFILL SITE  
REMEIATION PROJECT  
RINGWOOD, NEW JERSEY

### EXAMPLE AIR MONITORING STATION LOCATION PLAN

**Date: 12/06/20**







# TASC COMMENTS

# SUBMITTING COMMENTS

- No formal comment period
- Remedial activities will take place beginning in spring 2021, after EPA's approval of the RAWP
- EPA will continue to review community comments regarding the RAWP throughout remedial action activities
- Please submit comments to:

Joe Gowers  
EPA Remedial Project Manager  
[gowers.joe@epa.gov](mailto:gowers.joe@epa.gov)  
(212) 637-4413

Pat Seppi  
EPA Community Involvement Coordinator  
[seppi.pat@epa.gov](mailto:seppi.pat@epa.gov)  
(646) 369-0068



# TASC COMMENTS

- TASC does not submit comments to EPA on behalf of the community; the comments reflect the opinions of the reviewers and may not reflect EPA policies, actions or positions
- The accompanying fact sheet includes 29 comments based on TASC's independent review and are provided for the use of the community
- The comments on the next slides are a summary of the full comments provided in the fact sheet, covering the following topics:
  - Receiving information and updates
  - Communication methods
  - Safety
  - Community preferences and considerations

# RECEIVING INFORMATION AND UPDATES

- Community members may want to ask EPA about how they will receive updates on:
  - Changes to the RAWP
  - Schedule changes and milestones
  - Site management
  - Groundwater management: dewatering status of the PMP pond, what happens if 1,4-dioxane is encountered, use of temporary treatment systems
  - Site activities (monthly progress reports)
  - Changes to the Transportation & Disposal Plan
- Community members may want to ask EPA if community representatives will attend “project meetings that will be held throughout the implementation of the RA [remedial action] to review the progress of activities, planning of new activities, review of safety and health issues, and any changes to the schedule” (Section 9.4)



# COMMUNICATION METHODS

- Who to contact with questions about site activities, transportation/traffic-related concerns or site-related emergencies
- Recommend using already formed groups such as the Ringwood Environmental Commission or the Community Advisory Group as communication conduits to give and receive feedback about site-related communications
- Suggestions on preference for communication such as news outlets, publications, site tours, website updates, special meetings, fact sheet distribution or door knockers
- Hotline number for reporting immediate concerns to EPA during cleanup



# SAFETY

- Community members may want to ask EPA for more information about:
  - Site security and fencing
  - Frequency of testing for dug-up material from PMP Area
  - Vibration risk
  - Air monitoring station locations and the air monitoring plan





# COMMUNITY PREFERENCES AND CONSIDERATIONS

- Community members may want to share information with EPA about:
  - Preferences for when waste will be moved off site, such as avoiding times when school buses or children are outside
  - Preferences for where stockpile storage areas will be located
  - Preferences regarding indigenous vegetation and restoration of the PMP Area
  - Access-related concerns for the property owners affected by activities
  - Site work lighting preferences
- Community members may want to request more information from EPA about:
  - Whether workers will take more COVID-19 precautions when interacting with community members or local organizations
  - How parties will coordinate pre- and post-construction home inspections



# MISCELLANEOUS

- Request site grading drawings that are referenced in the report
- How often will EPA or NJDEP personnel be at the site, or if there is a plan for oversight and enforcement of federal and state environmental, health and safety regulations
- Plans for future monitoring of the engineered caps
  - Who will pay for the long-term maintenance? How will EPA share monitoring information? How will EPA enforce the monitoring to ensure the caps' long-term protectiveness?
- Final activities needed beyond those described in the report, or provide input on final activities before the completion of all site work





# QUESTIONS

# THANK YOU FOR ATTENDING THIS MEETING

Joe Gowers  
EPA Remedial Project Manager  
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[gowers.joe@epa.gov](mailto:gowers.joe@epa.gov)

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EPA Community Involvement  
Coordinator  
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[www.epa.gov/superfund/ringwood-mines](http://www.epa.gov/superfund/ringwood-mines)